

IN THE UNITED STATES RECEIVING OFFICE (RO/US)
Designated/Elected Office (DO/EO/US)

U.S. National Stage of
International Application No.: PCT/US2004/019713
International Filing Date: June 21, 2004
Earliest Priority Date: June 21, 2003
Applicants: Vincent Fedele, John S. Berg, Christopher J. Butler and Robert David
Farraher
Title: METHOD AND APPARATUS FOR PROCESSING BIOMETRIC
IMAGES
Attorney's Docket No.: 3174.1012-014

Date: *20 December*

EXPRESS MAIL LABEL NO. *EV214 881 291 US*

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, or
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:
- ☐ a Statement under 37 CFR 1.97(e), as checked below, and
- ☐ a \$180.00 fee under 37 CFR 1.17(p), or
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):
Applicant requests that the IDS and cited reference(s) be placed in the application
filewrapper.
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.
- ☒ Enclosed herewith is form PTO-1449:
- ☒ Copies of the cited references are enclosed.
- ☒ Copies of issued U.S. patents and published U.S. applications are not required and are not being provided.
- ☐ Copies of the cited references are enclosed except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed. [The earlier application contains copies of the cited references.]
- ☒ The listed references A2, A42, A43, C1, C2 and C3 were cited in the enclosed International Search Reports in a counterpart foreign application.
- ☒ The "concise explanation" requirement (non-English references) for reference B1 under 37 CFR 1.98(a)(3) is satisfied by:
- ☐ the explanation provided on the attached sheet.
- ☐ the explanation provided in the Specification.
- ☐ submission of the enclosed International Search Report.
- ☐ submission of the enclosed English-language version of a foreign Search Report and/or foreign Office Action.
- ☒ the enclosed English language abstract.

10/561647
LAP9 Rec'd PCT/PTO 20 DEC 2005

☐ Applicant requests that the following non-published pending applications be considered:

Examiner's
Initials

____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []
____ U.S. Patent Application No. [], by [inventor(s)], filed [], Docket No.: []

Examiner_____
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed, except any application filed on or after June 30, 2003, which has been scanned into the PTO's Image File Wrapper (IFW) system and is available to the examiner.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

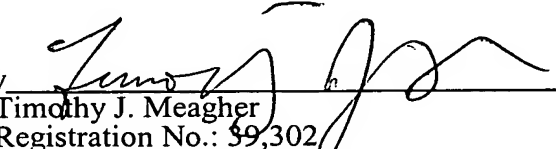
Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account 08-0380 in the amount of \$[]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account 08-0380.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By


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Concord, MA 01742-9133

Dated: 12/20/05

PTO-1449 REPRODUCED INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION December 20, 2005 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3174.1012-014		APPLICATION NO. 10/561647	
	FIRST NAMED INVENTOR Vincent Fedele		FILING DATE	
	EXAMINER	CONFIRMATION NO.	GROUP	

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	A1	5,241,606	08-31-1993	Horie
	A2	6,061,463	05-09-2000	Metz, <i>et al.</i>
	A3	6,151,142	11-21-2000	Phillips, <i>et al.</i>
	A4	4,728,186	03-01-1988	Eguchi, <i>et al.</i>
	A5	5,077,803	12-31-1991	Kato, <i>et al.</i>
	A6	5,177,802	01-05-1993	Fujimoto, <i>et al.</i>
	A7	5,854,697	12-29-1998	Caulfield, <i>et al.</i>
	A8	5,515,184	05-07-1996	Caulfield, <i>et al.</i>
	A9	5,465,311	11-07-1995	Caulfield, <i>et al.</i>
	A10	5,295,208	03-15-1994	Caulfield, <i>et al.</i>
	A11	4,737,001	04-12-1988	Moss
	A12	4,643,515	02-17-1987	Upatnieks
	A13	6,661,631 B1	12-09-2003	Meador, <i>et al.</i>
	A14	6,658,164 B1	12-02-2003	Irving, <i>et al.</i>
	A15	6,411,728 B1	06-25-2002	Lee, <i>et al.</i>
	A16	6,301,368 B1	10-09-2001	Bolle, <i>et al.</i>
	A17	5,986,746	11-16-1999	Metz, <i>et al.</i>
	A18	5,974,162	10-26-1999	Metz, <i>et al.</i>
	A19	4,790,564	12-13-1988	Larcher, <i>et al.</i>
	A20	6,154,285	11-28-2000	Teng, <i>et al.</i>
	A21	6,115,483	09-05-2000	Suga
	A22	6,111,977	06-25-2002	Scott, <i>et al.</i>
	A23	6,002,787	12-13-1988	Takhar, <i>et al.</i>
	A23	5,926,555	07-20-1999	Ort, <i>et al.</i>

EXAMINER	DATE CONSIDERED
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PTO-1449 REPRODUCED INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION December 20, 2005 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 3174.1012-014		APPLICATION NO. 10/561 647	
	FIRST NAMED INVENTOR Vincent Fedele		FILING DATE	
	EXAMINER		CONFIRMATION NO.	GROUP

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
	A24	5,879,454	03-09-1999	Peng
	A25	5,824,474	10-20-1998	Matsuhisa, <i>et al.</i>
	A26	5,737,071	04-07-1998	Arndt
	A27	6,178,255 B1	01-23-2001	Scott, <i>et al.</i>
	A28	6,236,090 B1	05-22-2001	Fujisawa
	A29	6,483,932 B1	11-19-2002	Martinez, <i>et al.</i>
	A30	6,628,813 B2	09-30-2003	Scott, <i>et al.</i>
	A31	6,658,164 B1	12-02-2003	Irving, <i>et al.</i>
	A32	6,665,427 B1	12-16-2003	Keagy, <i>et al.</i>
	A33	6,687,391 B1	02-03-2004	Scott, <i>et al.</i>
	A34	US 2003/0089702 A1	05-15-2003	Carver, <i>et al.</i>
	A35	US 2003/0229506 A1	12-11-2003	Scott, <i>et al.</i>
	A36	4,262,623	04-21-1981	Smith, III, <i>et al.</i>
	A37	5,096,290	03-17-1992	Ohta
	A38	5,177,353	01-05-1993	Schiller
	A39	5,488,659	01-30-1996	Miliani
	A40	5,631,971	05-20-1997	Sparrow
	A41	5,736,734	04-07-1998	Marcus, <i>et al.</i>
	A42	4,544,267 A	10-01-1985	Schiller
	A43	6,341,028 B1	01-22-2002	Bahuguna, <i>et al.</i>

EXAMINER	DATE CONSIDERED
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	FIRST NAMED INVENTOR Vincent Fedele		FILING DATE
	EXAMINER	CONFIRMATION NO.	GROUP

FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO	
	B1	WO02/15118A1	02-21-2002	Gavitec GMBH		X
	B2	WO02/088878A2	11-07-2002	Cross Match Technologies, Inc.		
	B3					
	B4					
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	FIRST NAMED INVENTOR Vincent Fedele		FILING DATE	
	EXAMINER	CONFIRMATION NO.	GROUP	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

C1	Georges, M. P., <i>et al.</i> , "Compact and Portable Holographic Camera Using Photorefractive Crystals. Application in Various Metrological Problems," <i>Appl. Phys. B</i> , 72: 761-765 (2001, April 20).
C2	Jiang, X., <i>et al.</i> , "Detecting the Fingerprint Minutiae By Adaptive Tracing the Gray-Level Ridge", Pattern Recognition, Elsevier, Kidlington, GB, 34, no. 5: 999-1013 (2001, May 5).
C3	Vizcaya, P. R., <i>et al.</i> , "Multi-Resolution Fuzzy Approach for Singularity Detection in Fingerprint Images", Proceedings of the SPIE, SPIE, Bellingham, VA, pp. 46-56, (1996, November 19).
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